

WHAT IS CLAIMED IS:

1. A lighting equipment for generating anions to purify air, the equipment comprising:

an anion generator generating anions to purify air;

a housing including,

an electric power source supplying an electric power,

an amplifier amplifying the electric power from the electric power source, and

an emitting aperture member having a plurality of holes for exhausting the generated anions therethrough; and

at least one illumination unit engaged with the housing.

2. The lighting equipment of claim 1, further comprising:

an inverter disposed in the housing for supplying electric power to the illumination unit.

3. The lighting equipment of claim 1, wherein the anion generator includes:

an anion generating plate receiving high voltages from the amplifier;

at least one electron gun coupled with the anion generating plate and generating electrons; and

an electron plate interacting with the electron gun to generate anions from the electrons.

4. The lighting equipment of claim 3, wherein the anion generator further includes:

an anion collecting panel for collecting the generated anions therein and exhausting the anions therethrough and through the emitting aperture member.

5. The lighting equipment of claim 1, wherein the emitting aperture member is disposed around the entire circumference of the housing.

6. The lighting equipment of claim 1, wherein the emitting aperture member is disposed only on one side of the housing.

7. The lighting equipment of claim 1, wherein the electron gun is only on one side of the housing.

8. The lighting equipment of claim 1, wherein the illumination unit is a florescent lamp or a stand lamp.

9. A method of providing air purification using a lighting equipment having a housing engaged with at least one illumination unit, the method comprising the steps of:

- supplying power to the housing through an electric power source;
- amplifying the electric power and supplying the amplified power to an anion generator in the lighting equipment;
- generating anions by the anion generator; and
- exhausting, through an emitting aperture member of the housing, the generated anions to outside of the housing to purify air.

10. The method of claim 9, further comprising:

- illuminating the illumination unit by the electric power supplied by the electric power source.

11. The method of claim 9, wherein the generating step includes:

- generating high voltages from the amplifying step;
- generating electrons through at least one electron gun disposed in the housing; and

causing the electrons to interact with an electron plate to generate anions.

12. The method of claim 11, further comprising:

collecting, in an anion collecting panel disposed in the housing, the generated anions.

13. The method of claim 9, wherein, in the exhausting step, the emitting aperture member is disposed around the entire circumference of the housing.

14. The method of claim 9, wherein, in the exhausting step, the emitting aperture member is disposed only on one side of the housing.

15. The method of claim 11, wherein the electron gun is only on one side of the housing.

16. The method of claim 9, wherein the illumination unit is a florescent lamp or a stand lamp.